

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/564,302
Source: IPWP
Date Processed by STIC: 1-20-06

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IFWP

RAW SEQUENCE LISTING

DATE: 01/20/2006

PATENT APPLICATION: US/10/564,302

TIME: 12:08:30

Input Set : A:\toya108-10 seq 1st US.TXT

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3 <110> APPLICANT: Hatake, Kiyohiko
4     Terui, Yasuhito
5     Mishima, Yuji
6     Yamada, Akio
7     Sakurai, Takuma
8     Itoh, Takehito
10 <120> TITLE OF INVENTION: Drug for Cancer Therapy
12 <130> FILE REFERENCE: TOYA108.010APC
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/564,302
C--> 14 <141> CURRENT FILING DATE: 2006-01-10
14 <150> PRIOR APPLICATION NUMBER: PCT/JP2005/004123
15 <151> PRIOR FILING DATE: 2005-03-09
17 <150> PRIOR APPLICATION NUMBER: JP2004-80454
18 <151> PRIOR FILING DATE: 2004-03-19
20 <160> NUMBER OF SEQ ID NOS: 3
22 <170> SOFTWARE: PatentIn Ver. 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 708
26 <212> TYPE: PRT
27 <213> ORGANISM: Bos taurus
29 <220> FEATURE:
30 <221> NAME/KEY: sig_peptide
31 <222> LOCATION: (1)...(19)
32 <223> OTHER INFORMATION: Lactoferrin
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38           20           25           30
39 Pro Glu Trp Phe Lys Cys Arg Arg Trp Gln Trp Arg Met Lys Lys Leu
40           35           40           45
41 Gly Ala Pro Ser Ile Thr Cys Val Arg Arg Ala Phe Ala Leu Glu Cys
42           50           55           60
43 Ile Arg Ala Ile Ala Glu Lys Lys Ala Asp Ala Val Thr Leu Asp Gly
44 65           70           75           80
45 Gly Met Val Phe Glu Ala Gly Arg Asp Pro Tyr Lys Leu Arg Pro Val
46           85           90           95
47 Ala Ala Glu Ile Tyr Gly Thr Lys Glu Ser Pro Gln Thr His Tyr Tyr
48           100          105          110
49 Ala Val Ala Val Val Lys Lys Gly Ser Asn Phe Gln Leu Asp Gln Leu
50           115          120          125
51 Gln Gly Arg Lys Ser Cys His Thr Gly Leu Gly Arg Ser Ala Gly Trp
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54 145 150 155 160
55 Leu Glu Pro Leu Gln Gly Ala Val Ala Lys Phe Phe Ser Ala Ser Cys
56 165 170 175
57 Val Pro Cys Ile Asp Arg Gln Ala Tyr Pro Asn Leu Cys Gln Leu Cys
58 180 185 190
59 Lys Gly Glu Gly Glu Asn Gln Cys Ala Cys Ser Ser Arg Glu Pro Tyr
60 195 200 205
61 Phe Gly Tyr Ser Gly Ala Phe Lys Cys Leu Gln Asp Gly Ala Gly Asp
62 210 215 220
63 Val Ala Phe Val Lys Glu Thr Thr Val Phe Glu Asn Leu Pro Glu Lys
64 225 230 235 240
65 Ala Asp Arg Asp Gln Tyr Glu Leu Leu Cys Leu Asn Asn Ser Arg Ala
66 245 250 255
67 Pro Val Asp Ala Phe Lys Glu Cys His Leu Ala Gln Val Pro Ser His
68 260 265 270
69 Ala Val Val Ala Arg Ser Val Asp Gly Lys Glu Asp Leu Ile Trp Lys
70 275 280 285
71 Leu Leu Ser Lys Ala Gln Glu Lys Phe Gly Lys Asn Lys Ser Arg Ser
72 290 295 300
73 Phe Gln Leu Phe Gly Ser Pro Pro Gly Gln Arg Asp Leu Leu Phe Lys
74 305 310 315 320
75 Asp Ser Ala Leu Gly Phe Leu Arg Ile Pro Ser Lys Val Asp Ser Ala
76 325 330 335
77 Leu Tyr Leu Gly Ser Arg Tyr Leu Thr Thr Leu Lys Asn Leu Arg Glu
78 340 345 350
79 Thr Ala Glu Glu Val Lys Ala Arg Tyr Thr Arg Val Val Trp Cys Ala
80 355 360 365
81 Val Gly Pro Glu Glu Gln Lys Lys Cys Gln Gln Trp Ser Gln Gln Ser
82 370 375 380
83 Gly Gln Asn Val Thr Cys Ala Thr Ala Ser Thr Thr Asp Asp Cys Ile
84 385 390 395 400
85 Val Leu Val Leu Lys Gly Glu Ala Asp Ala Leu Asn Leu Asp Gly Gly
86 405 410 415
87 Tyr Ile Tyr Thr Ala Gly Lys Cys Gly Leu Val Pro Val Leu Ala Glu
88 420 425 430
89 Asn Arg Lys Ser Ser Lys His Ser Ser Leu Asp Cys Val Leu Arg Pro
90 435 440 445
91 Thr Glu Gly Tyr Leu Ala Val Ala Val Val Lys Lys Ala Asn Glu Gly
92 450 455 460
93 Leu Thr Trp Asn Ser Leu Lys Asp Lys Lys Ser Cys His Thr Ala Val
94 465 470 475 480
95 Asp Arg Thr Ala Gly Trp Asn Ile Pro Met Gly Leu Ile Val Asn Gln
96 485 490 495
97 Thr Gly Ser Cys Ala Phe Asp Glu Phe Phe Ser Gln Ser Cys Ala Pro
98 500 505 510
99 Gly Ala Asp Pro Lys Ser Arg Leu Cys Ala Leu Cys Ala Gly Asp Asp
100 515 520 525
101 Gln Gly Leu Asp Lys Cys Val Pro Asn Ser Lys Glu Lys Tyr Tyr Gly

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104 545      550      555      560
105 Phe Val Lys Asn Asp Thr Val Trp Glu Asn Thr Asn Gly Glu Ser Thr
106      565      570      575
107 Ala Asp Trp Ala Lys Asn Leu Asn Arg Glu Asp Phe Arg Leu Leu Cys
108      580      585      590
109 Leu Asp Gly Thr Arg Lys Pro Val Thr Glu Ala Gln Ser Cys His Leu
110      595      600      605
111 Ala Val Ala Pro Asn His Ala Val Val Ser Arg Ser Asp Arg Ala Ala
112      610      615      620
113 His Val Lys Gln Val Leu Leu His Gln Gln Ala Leu Phe Gly Lys Asn
114 625      630      635      640
115 Gly Lys Asn Cys Pro Asp Lys Phe Cys Leu Phe Lys Ser Glu Thr Lys
116      645      650      655
117 Asn Leu Leu Phe Asn Asp Asn Thr Glu Cys Leu Ala Lys Leu Gly Gly
118      660      665      670
119 Arg Pro Thr Tyr Glu Glu Tyr Leu Gly Thr Glu Tyr Val Thr Ala Ile
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124 705
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135      20      25
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138 <211> LENGTH: 26
139 <212> TYPE: PRT
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142 <400> SEQUENCE: 3
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146      20      25

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/564,302

DATE: 01/20/2006

TIME: 12:08:31

Input Set : A:\toyal08-10 seq 1st US.TXT

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date